

U.S. Patent Application No. 10/572,797

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List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 5 (Cancelled).

6. (Currently amended) A pluggable module (ST1) for a liquid-, or gas-, sensor, which sensor includes a sensor module (SM) and a sensor module head (SMK), which are pluggably connectable together and which enable, when plugged together, an exchange of data and energy via a galvanically decoupled, transfer zone, wherein:

the pluggable module (ST1) is connectable with the sensor module (SM) and has a display unit, which serves for display of sensor data stored in the sensor module (SM), and

the pluggable module (ST1) and the sensor module (SM) enable, when plugged together, an exchange of data and energy via a galvanically decoupled transfer zone.

7. (Currently amended) A pluggable module (ST1) for a liquid-, or gas-, sensor, which sensor includes a sensor module (SM) and a sensor module head (SMK), which are pluggably connectable together and which enable, when plugged together, an exchange of data and energy via a galvanically decoupled, transfer zone, wherein:

the pluggable module (ST1) is connectable with the sensor module (SM) and has a radio unit, which serves for transmission of sensor data stored in the sensor module (SM) ,

the pluggable module (ST1) and the sensor module (SM) enable, when plugged together, an exchange of data and energy via a galvanically decoupled transfer, and

the pluggable module (ST1) is embodied in the form of a key-ring pendant

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8. (Currently amended) A pluggable module (ST1) for a liquid-, or gas-, sensor, which sensor includes a sensor module (SM) and a sensor module head (SMK), which are pluggably connectable together and which enable, when plugged together, an exchange of data and energy via a galvanically decoupled, transfer zone, wherein:

the pluggable module (ST1) is connectable with the sensor module (SM) and has a fieldbus interface (Profibus, Foundation Fieldbus, HART), via which access to sensor data stored in the sensor module (SM) occurs,

the pluggable module (ST1) and the sensor module (SM) enable, when plugged together, an exchange of data and energy via a galvanically decoupled transfer zone, and

the pluggable module (ST1) is embodied in the form of a key-ring pendant.

9. (Currently amended) A pluggable module (ST2) for a liquid-, or gas-, sensor, which sensor includes a sensor module (SM) and a sensor module head (SMK), which are pluggably connectable together and which enable, when plugged together, an exchange of data and energy via a galvanically decoupled transfer zone, wherein:

the pluggable module (ST2) is connectable with the sensor module head (SMK) and has a simulation unit, which produces an analog signal value, which simulates a measured value and which is converted in a signal processing unit into a digital measured value, which is forwarded to the sensor module head (SMK)[[.]], and

the pluggable module (ST2) is embodied in the form of a key-ring pendant.

10. (Currently amended) The pluggable module (ST1) as claimed in claim 6, wherein:

the pluggable module (ST1) is embodied in the form of a key-ring pendant.

Claim 11 (cancelled)